

Taber 5135 Abrasion Tester Model: TB-322



Machine Introduction:

Taber Abrasion Tester TB-322 applied to do the test of wear-resistant in skin, leather, cloth, paint, paper, flooring plywood, glass and natural rubber.

The method is using the standard knife cutting the specimen, and then using the regulated models of grinding wheel with loading weight to be abraded,

Specimen to be removed after rotation to reach a certain number, observe the condition of the specimen or compare the weight with the previous materials, for the choice of grinding wheel models: H18, H22, CS17, S32, S33.

Function:

Taber Abrasion Tester TB-322 used in testing the performance of leather products, such as suitcases, carpets, cardboard, clothing, glass, plastic coating, ceramic tile, metal plating, paints, varnishes, decorative sheets, high-pressure sheets, plastics, textiles, flexible floor mats, traffic paint, anodizing layer, blankets, electronic components, decorative plates, wax, label, leather, dental materials, car ornaments, resin, furniture, and scientific research laboratories; commodity inspection, arbitration, and technical supervision department.

Technical Specification:

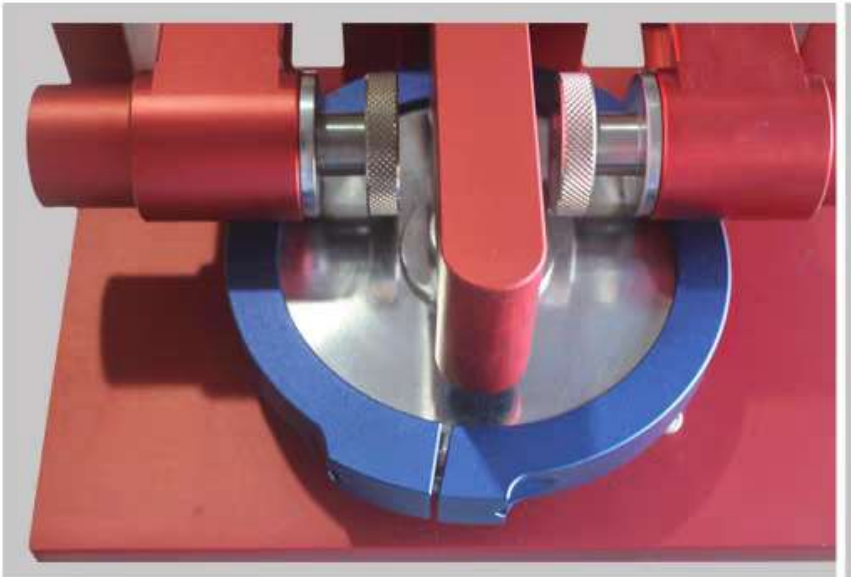
Abrasion Wheel	Diameter 2 inches, Width 1/2 inches
Test Tray Rotating Speed	Use stepper motor, 1-82RPM, adjustable (default set value 60RPM)
Loading	250g, 500g, 750g
Counter	0~999999
Specimen Size	φ110mm, center hole φ7.5mm
Standard accessories	Vacuum cleaner x 1 pcs Taber Abrasive Rubber wheels x 1 pair Abrasive paper x 3 pieces Weight, 250g, 500g, 750g – each 2 pcs Hair brush x 1 pcs Wrench x 1 pcs
Power	AC220V / 50HZ

Standard Delivery Accessories Included in the package:

- Vacuum cleaner x 1pcs
- Pester x 3pcs
- Abrasive paper x 3pcs
- 250g, 500g, 750g x (Each 2unit)
- Taber Abrasive wheel x 1pair
- Allen Key Set x 1set



Product References Picture:



Shear / Scratch Tester - Test Standard & Method

Reference	Title	Scope
ASTM C217 / C217M	Standard Test Method for Weather Resistance of Slate	This test method covers two procedures for weather resistance of slate in all outdoor installations by determining the depth of softening by shear/scratch or by hand scraping.
DIN 53 799	Decorative Laminated Sheets on Basis of Amino plastic Resins; Test Method	WITHDRAWN
DIN 68 861-4	Furniture Surfaces: Part 4 - Behavior at Scratches	This standard specifies a method for the evaluation of the scratch resistance of furniture surfaces and applies to the flat surfaces of all products with surface treatment, independent of material. It does not apply for treated surfaces made of leather or textiles. The test shall generally be carried out on test pieces which are of the same material with identical surface treatment of which finished furniture consists and are large enough to correspond with the test requirements. The test shall be carried out on unused surfaces. The standard specifies the most important parameters for the test/assessment and the conditions for classification of the results. During the test in accordance with this standard, scratches are produced with different weight forces which are applied to the test field with a hemispherical diamond point. The scratch resistance of the test piece is the smallest weight force which leaves a continuous scratch on the test field. The average of the three test pieces is compared with given value ranges of resistance groups and undergoes a classification. The scratch resistance of the furniture surface to be assessed is declared as resistance group.
EN 438-2	Decorative High Pressure Laminates (HPL); Sheets Based on Thermosetting Resins; Part 2: Determination of Properties	The minimum load applied to a diamond scratching point of defined geometry, which produces a continuous surface mark visible to the naked eye, correct, if necessary, is the resistance to scratching of the decorative laminated sheet under test.
EN 13310	Kitchen Sinks - Functional Requirements and Test Methods	This standard specifies the functional requirements and test methods for domestic kitchen sinks, used in residential (domestic houses, guest houses and similar) premises. This standard does not specify aesthetic and dimensional requirements. It does not apply to industrial kitchen sinks. Note: All drawings are examples only; other forms are permissible.
EN 14323	Wood-based Panels - Melamine Faced Boards for Interior Uses - Test Methods	This European Standard specifies test methods for the determination of characteristics of melamine faced boards (MFB) as defined in EN 14322.

EN 14565	Resilient Floor Coverings - Floor Coverings Based Upon Synthetic Thermoplastic Polymers - Specification	This European Standard specifies the characteristics for resilient floor coverings based upon synthetic thermoplastic polymers, supplied either in a roll or tile form. This specification does not apply to floor coverings specified in the series EN 649 to EN 654.
EN 14688	Sanitary Appliances - Wash Basins - Functional Requirements and Test Methods	This European Standard specifies the functional requirements and test methods for wash basins for domestic purposes.
0096Z-SEC-A000 (Honda)	Quality of Coating for Interior Resin Parts	This standard specifies the method for testing the coating applied on interior resin parts and the quality of the coating film.
7710Z-SCC-9000 (Honda)	Specification for Instrument Parts (General)	This specification defines testing methods and test reports for parts applied to instrument panels.
ISO 4586-2	High-Pressure Decorative Laminates - Sheets Made from Thermosetting Resins	The test measures the ability of the decorative surface of the sheet under test to resist scratching.
ISO 15695	Vitreous and porcelain enamels - Determination of scratch resistance of enal finishes	This International Standard specifies a test method for the determination of the scratch resistance of enamel finishes. The method is based on ISO 1518:1992, <i>Paints and varnishes - Scratch test</i> , but is performed at significantly higher forces.
ISO 19322 (Annex A)	Resilient floor coverings - Specification for floor coverings based on thermoplastic polymers	This method of test specifies a procedure to assess the appearance of scratches on resilient floor covering surfaces under laboratory conditions.
JIS K 6902	Testing Method for Laminated Thermosetting Decorative Sheets	This Japanese Industrial Standard specifies the testing method for laminated thermosetting decorative sheets.
NEMA LD-3	High-Pressure Decorative Laminates	This Standards Publication covers high-pressure decorative laminate (HPDL) sheets which consist of papers, fabrics, or other core materials that have been laminated at pressures of more than 5.0 MPa using thermosetting condensation resins as binders.
Terrazzo 90322-9E-1	Conductive, Synthetic Latex Terrazzo Flooring	This section covers synthetic latex terrazzo conductive flooring, complete.
TSL 2105G (Toyota)	Standard Test Methods for Seat Fabrics with Regard to items Concerning Strength and Durability	This standard covers the test methods for fabrics used mainly for automotive seat covers and interior trim materials on the assumption of the items relating to the quality of durability of seat assembly.
TSL 3610G (Toyota)	Molded Head Lining Cover Materials	
UNI 9428	Furniture - Tests for Surface	(Translated) The present rule establishes a method to

	Finishes - Determination of Resistance to Scratching	appraise the resistance all scratches. The present norm is applied to all the superficial of furniture. The present rule does not pertain the superficial in skin, woven spread natural and synthetic.
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NOTE: Optional accessories may be required to comply with these test standards.